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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/022,364	12/20/2001	Francis J. Kub	N.C. 79,684	3513
26384	7590	07/27/2004	EXAMINER	
NAVAL RESEARCH LABORATORY ASSOCIATE COUNSEL (PATENTS) CODE 1008.2 4555 OVERLOOK AVENUE, S.W. WASHINGTON, DC 20375-5320			FOURSON III, GEORGE R	
		ART UNIT		PAPER NUMBER
				2823
DATE MAILED: 07/27/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/022,364	KUB ET AL.	
	Examiner	Art Unit	
	George Fourson	2823	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM
 THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 03 May 2004.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-25 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-25 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

Art Unit: 2823

The finality of the office action mailed 10/3/03 is withdrawn due to the inadvertent omission of claim 17 from the rejection of claims 10-16,18-19 and 21-25 under 35 USC 103.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-4,7 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Henley et al '567.

The rejection is maintained as stated in the paper mailed 10/3/03.

Applicant argues that the disclosure of plastic as the flexible substrate is "accidental". However, there is no basis on which to determine whether the disclosure is accidental. Further, the examiner can not comment on the validity of U.S. Patents.

Applicant's argument directed to the stiffening layer is addressed in the statement of the rejection above.

Claims 5,6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Henley et al as applied to claims 1-4,7 and 9 above, and further in view of Kub et al '108.

The rejection is maintained as stated in the paper mailed 10/3/03.

Claims 10-19 and 21-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Henley et al '567 as applied to claims 1-4,7 and 9 above, and further in view of Lutzen et al, Kub et al and Lee et al '567.

The rejection is maintained as stated in the paper mailed 10/3/03.

Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Henley et al as applied to claims 1-4,7 and 9 above, and further in view of Lutzen et al '169, Kub et al and Lee et al as applied to claims 10-19 and 21-25 above and further in view of Srikrishnan '987.

The rejection is maintained as stated in the paper mailed 10/3/03.



George Fourson
Primary Examiner